City of Houston Department of Public Works and Engineering WATER QUALITY REPORT 2002

The City of Houston's drinking water meets or exceeds all Texas Commission on Environmental Quality (TCEQ) and Environmental Protection Agency (EPA) requirements.

Safe Drinking Water Act Amendments

The following information has always been available to City of Houston customers. Since October 1999, all community water systems have been required to distribute to their customers an annual report on the quality of their drinking water.

Sources of Drinking Water

The sources of tap water and bottled water include rivers, lakes, streams, ponds, reservoirs, springs and wells. As water travels over the surface of the land or through the ground, it dissolves naturally occurring minerals and, in some cases, radioactive material, and can pick up substances resulting from the presence of animals or human activity. Contaminants that may be present in source water include: microbial, such as viruses and bacteria, inorganic, such as salts and metals, pesticides and herbicides, organic chemicals, including synthetic and volatile organic chemicals, and radioactive constituents.

City of Houston Water Sources

The City currently draws 70% of its treated drinking water from its four surface water treatment plants. These plants produced an average of 364 million gallons per day (MGD) in 2002. Surface water comes from the San Jacinto River, through Lakes Conroe and Houston, and the Trinity River through Lake Livingston. The remaining 30% comes from 202 permitted wells at 99 separate groundwater plants. These are very deep wells, producing water from the Evangeline and Chicot Aquifers, and are not vulnerable to any surface contamination. The TCEQ is currently preparing a Source Water Assessment for the City of Houston, however this report is not yet available.

Drinking water, including bottled water, may reasonably be expected to contain at least small amounts of some contaminants. Contaminants may be found in drinking water that may cause taste, color, or odor problems. Presence of contaminants does not necessarily indicate that water poses a health risk. More information about contaminants and potential health effects can be obtained by calling the Environmental Protection Agency's **Safe Drinking Water Hotline 800/426-4791**.

Water Standards Governed by Federal Agencies

In order to ensure that tap water is safe to drink, the Environmental Protection Agency (EPA) prescribes regulations which limit the amount of certain contaminants in water provided by public water systems. The Food and Drug Administration (FDA) regulations establish limits for contaminants in bottled water which must provide the same protection for public health.

En Español

Este informe contiene información muy importante sobre de su aqua que bebe. Tradúzcalo, ó hable con alguien que lo entiende. Para mas información por favor llame Linea de Ayuda de Houston marcando 311.

What about arsenic levels?

While your drinking water meets EPA's standard for arsenic, it does contain low levels of arsenic. EPA's standard balances the current understanding of arsenic's possible health effects against the cost of removing arsenic from drinking water. EPA continues to research the health effects of low levels of arsenic which is a mineral known to cause cancer in humans at high concentrations and is linked to other health effects such as skin damage and circulatory problems. Some people who drink water containing arsenic in excess of the MCL over many years could experience skin damage or problems with their circulatory system and may have an increased risk of getting cancer.

Is there Giardia or Cryptosporidium in our water supply?

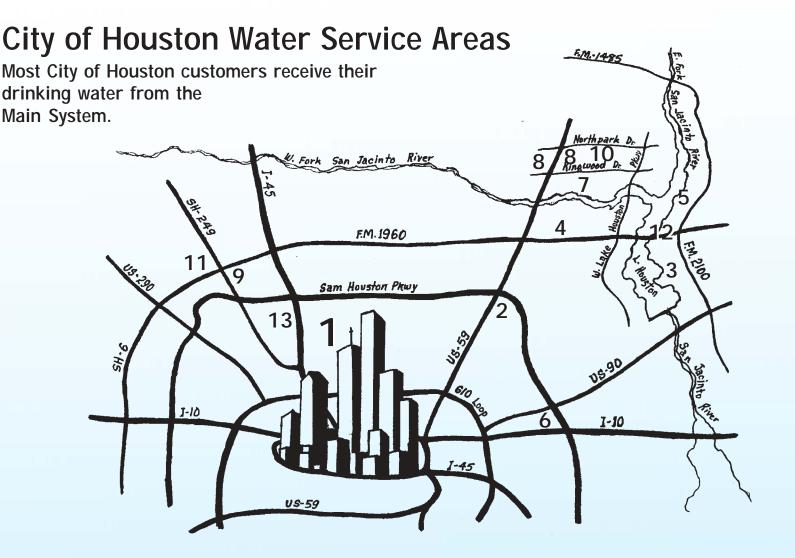
Giardia or Cryptosporidium is not found in deep wells, such as the City's, which are protected from surface water contamination. Since 1993, we have been routinely monitoring our rivers and treated water leaving our filtration plants for these two organisms. To date, we have detected no confirmed occurrences of either of these in any of our drinking water.

SPECIAL NOTICE FOR THE ELDERLY, INFANTS, CANCER PATIENTS, PEOPLE WITH HIV/AIDS OR OTHER IMMUNE PROBLEMS:

You may be more vulnerable to certain microbial contaminants in drinking water than the general population. In particular, infection by Cryptosporidium is of concern. Infants, some elderly or IMMUNO-COMPROMISED PERSONS such as those who have undergone CHEMOTHERAPY for CANCER; those who have undergone ORGAN TRANSPLANTS; those who are undergoing treatment with steroids; and people with HIV/AIDS or other immune system disorders can be particularly at risk from infections. You should seek advice about drinking water from your physician or healthcare provider. Additional guidelines on appropriate means to lessen the risk of infection by Cryptosporidium are available from:

Safe Drinking Water Hotline 800/426-4791 or your local Health Department or District 713/794-9181.





1. Main System 1010013
(Most City of Houston customers receive their drinking water from the Main System.)

| CONTAMINANT (units) | MCLG | MCL (max. level allowed) | SURFACE WATER | GROUNDWATER | SOURCES OF CONTAMINANTS |
|----------------------------|------|--------------------------------|---|---|--|
| Arsenic (ppb) | N/A | 50 | <2.0 Average Range = <2.0-<2.0 | 4.6 Average Range = <0.20-12.5 (83 EPS 2000-2002) | Erosion of natural deposits |
| Atrazine (ppb) | 3 | 3 | <2.0 Averge Range = <0.20- 0.39 | <0.2 Average Range = <0.2-<0.2 (2000-2002) | Runoff from herbicide used on row crops; commonly found in surface water at low levels |
| Barium (ppm) | 2 | 2 | 0.049 Average Range = 0.047- 0.050 | 0.230 Average Range = 0.053- 0.419 (83EPS 2000-2002) | Erosion of natural deposits |
| Combined Radium (pCi/l) | 0 | 5 | ND | 1.0 Average Range = <1.0-2.5 (53 sites sampled) | Erosion of natural deposits |
| Copper (ppm) | 1.3 | 90% below AL=1.3 | 90% below 0.216 at customer tap - none exceeded AL** | 90% below 0.216 at customer tap - none exceeded AL** | Erosion of natural deposits; corrosion of household plumbing |
| Ethylbenzene (ppb) | 700 | 700 | <0.5 Average Range = <0.5-<0.5 | <0.5 average Range = <0.5 - 5.9 (Detected 7 of 61 samples 2000-2002) | Petroleum products |
| Fluoride (ppm) | 4 | 4 | 0.43 Average Range = <0.1 - 0.9 | 0.33 Average Range = <0.1-1.0 (84 samples 2000- 2002) | Water additive which promotes strong teeth |
| Gross Alpha (pCi/l) | 0 | 15 | <2.0 Average Range = <2.0 - <2.0 | 8.3 Average Range = <2.0-24.6 41 Sites sampled) | Erosion of natural deposits |
| Gross Beta (pCi/l) | 0 | 50*** | <4.0 average Range = <4.0-5.0 | 5.3 Average Range = <4.0-13.6 (40 sites sampled) | ERosion of natural deposit |
| Lead (ppb) | 0 | 90% below AL=15 | 90% below 4.1 at customer tap - none exceeded AL** | 90% below 4.1 at customer tap - none exceeded AL** | Erosion of natural deposits; corrosion of household plumbing |
| Nitrate (ppm) | 10 | 10 | 0.64 Average Range = 0.61-0.68 | 0.16 Average Range = <0.01 - 0.84 (80 EPS 2000- 2002) | Runoff from fertilizer use; erosion of natural deposits |
| Nitrite (ppm) | 1 | 1 | Average = <0.1 1999-2001 | 0.015 Average Range = <0.01-0.12 (29 EPS 1999-2001) | Runoff from fertilizer use; erosion of natural deposits |
| Selenium (ppb) | 50 | 50 | <2.5 Average Range = <2.5 - <2.5 | 2.2 Average <20- 7.9 Range (43 EPS 2000-2002) | Erosion of natural deposits |
| Xylenes (ppm) | 10 | 10 | <0.001 Average Range = <0.001- <0.001 | <0.001 Average Range <0.001 - 0.038 (Found in 17 of 61 EPS 2000- 2002) | Petroleum products |
| Toluene (ppm) | 1 | 1 | <0.0005 Average Range = <0.0005- <0.0005 | <0.0005 average Range<0.0005 - 0.0061 (Found in 6 of 61 EPS 2000- 2002) | Petroleum products |

2002* CONTAMINANTS DETECTED IN YOUR DRINKING WATER; NONE WERE ABOVE THE MCL

MEASUREMENT DEFINITIONS

pCi/I picocuries per liter

(a measure of radioactivity)

N/A not applicable ND not detected

nephelometric turbidity units

ppm parts per million parts per billion

entry points sampled 2000-2002

TERMINOLOGY

Maximum Contaminant Level (MCL): The highest level of a contaminant allowed in drinking water. MCLs are set as close to the MCLGs as feasible using the best available technology. Maximum Contaminant Level Goal

(MCLG): The level of a contaminant in drinking water below which there is no known or expected risk to health. MCLGs allow for a margin of safety.

Treatment Technique (TT): A required process intended to reduce the level of a contaminant in drinking water.

Action Level (AL): The concentration of a contaminant which, if exceeded, triggers treatment or other requirements which a water system must follow.

Unregulated Contaminants: Unregulated contaminants are those for which EPA has not established drinking water standards. The purpose of unregulated contaminant monitoring is to assist EPA in determining the occurrence of unregulated contaminants in drinking water and whether future regulation is warranted.

2002 data unless otherwise specified

Includes groundwater and surface water sites EPA considers 50 pCi/l to be the level of concern for beta particles.

UNREGULATED CONTAMINANTS

| CONTAMINANT (units) | Main System Surface (2002) | Main System Ground (2000-2002) | Forest Cove Ground (2002) | Belleau Woods Ground (2001) | Willowchase Ground (2002) | Montgomery County MUD 48 & 58 Ground (2002) | District 73 Ground (2002) | Spanish Cove Ground (2001) | Harris County MUD 159 Ground (2000-2001) |
|--------------------------------------|-------------------------------------|--|------------------------------------|--------------------------------------|------------------------------------|---|---|-------------------------------------|--|
| Chloroform (ppb) | 19 Average Range = 8.8-32.0 | 1.5 Average Range = <0.5-36 | 1.2 Average Range = <0.5-2.3 | 4.6 | 6.5 Average Range = <0.5-13 | 3.3 Average Range = 4.8 - 5.2 | 27 average Range = <0.5 - 53 | 4.9 | <0.5 Average Range = <0.5-0.7 |
| Bromodichloromethane (ppb) | 7.0 Average Range = 1.8-12.0 | 1.6 Average Range = <0.5-23 | 1.6 Average Range = <0.5-3.1 | 8.1 | 11 Average Range = <0.5-22 | 9.8 Average Range = 1.4- 17 | 10 Average Range = <0.5 - 20 | ND | ND |
| Dibromochloromethane (ppb) | 2.2 Average Range = <0.5-4.0 | 1.9 Average Range = <0.5-23 | 1.5 Average Range = <0.5-3.0 | 11 | 5.5 Average Range = <0.5-11 | 25.6 Average Range = 1.3- 50 | 3.6 Average Range = <0.5 - 7.1 | ND | ND |
| Bromoform (ppb) | ND | 1.0 Average Range = <0.5-11 | 0.6 Average Range = <0.5-1.2 | 7.1 | 1.3 Average Range = <0.5-2.5 | 30 Average Range = <0.5- 60 | 0.7 Average Range = <0.5 - 1.4 | ND | ND |
| Dibromomethane (ppb) | ND | ND | ND | ND | ND | <1 Average Range = <1 - 1.6 | ND | ND | ND |
| Acetone (ppb) | ND | <10 Average 1 of 106 samples = 18 in 2001 | ND | ND | ND | ND | ND | ND | <10 Average Range = <10-16 |
| 4-methyl-2-pentanone (MIBK) (ppb) | ND | <2.0 Average Range = <2- 9.7 detected in 7 of 106 samples | ND | ND | ND | <2.0 Average Range = <2.0- 3.8 | 2.0 Average Range = <2-3.1 | ND | ND |
| Chloromethane (ppb) | ND | <2 average 1 of 106 samples = 2.3 in 2000 | ND | ND | ND | ND | ND | ND | <2.0 Average Range = <2.0-2.1 |

2. Harris County WCID 76

| CONTAMINANT (units) | MCLG | MCL (max. level allowed) | GROUNDWATER | SOURCES OF CONTAMINANTS |
|-------------------------|------|--------------------------------|---|--|
| Combined Radium (pCi/l) | 0 | 5 | 1.6 (2000) | By-product of drinking water disinfection. |
| Barium (ppm) | 2 | 2 | 0.305 (2000) | Erosion of natural deposits |
| Copper (ppm) | 1.3 | 90 % below AL=1.3 | 90 % below 0.445 at customer tap-none exceeded AL | Erosion of natural deposits; corrosion of household plumbing |
| Fluoride (ppm) | 4 | 4 | 0.3 (2000) | Erosion of natural deposits; |
| Gross Alpha (pCi/l) | 0 | 15 | 11.9 (2000) | Erosion of natural deposits |
| Gross Beta (pCi/l) | 0 | 50*** | 7.3 (2000) | Decay of natural and man- made deposits |
| Lead (ppb) | 0 | 90% below AL=15 | 90 % below 1.5 at customer tap-none exceeded AL | Erosion of natural deposits; corrosion of household plumbing |

3. Spanish Cove

| | | _ | | |
|---------------------|------|--------------------------------|---|--|
| CONTAMINANT (units) | MCLG | MCL (max. level allowed) | GROUNDWATER | SOURCES OF CONTAMINANTS |
| Arsenic (ppb) | N/A | 50 | 3.6 (2001) | Erosion of natural deposits |
| Barium (ppm) | 2 | 2 | 0.337 (2001) | Discharge of drilling wastes; erosion of natural deposits |
| Copper (ppm) | 1.3 | 90% below AL=1.3 | 90% below 0.18 at customer tap - none exceeded AL (2001) | Erosion of natural deposits; corrosion of household plumbing |
| Fluoride (ppm) | 4 | 4 | 0.1 (2001) | Erosion of natural deposits; |
| Gross Beta (pCi/l) | 0 | 50*** | 5.8 (2001) | Decay of natural and man- made products |
| Lead (ppb) | 0 | 90% below AL=15 | 90% below 1.2 at customer tap - none exceeded AL | Erosion of natural deposits; corrosion of household plumbing |

4. Belleau Woods

| CONTAMINANT (units) | MCLG | MCL (max. level allowed) | GROUNDWATER | SOURCES OF CONTAMINANTS |
|---|------|--------------------------------|--|--|
| Barium (ppm) | 2 | 2 | 0.292 (2001) | Discharge of drilling wastes; erosion of natural deposits |
| Copper (ppm) | 1.3 | 90% below AL=1.3 | 90% below 0.081 at customer tap - none exceeded AL (1999) | Erosion of natural deposits; corrosion of household plumbing |
| Ethlylbenzene (ppb) | 700 | 700 | 0.6 (2001) | Refined petroleum products |
| Lead (ppb) | 0 | 90% below AL=15 | 90% below 2.1 at customer tap - none exceeded AL (1998) | Erosion of natural deposits; corrosion of household plumbing |
| Total Trihalomethanes (TTHMs) (ppb) | N/A | 80 | 30.8 at entry point (2001) | By product of drinking water disinfection. |
| Toluene (ppm) | 1 | 1 | 0.0006 (2001) | Refined petroleum products |
| Xylenes (ppm) | 10 | 10 | 0.0038 (2001) | Refined petroleum products |

DISINFECTANT/DISINFECTION BYPRODUCTS Main System Surface Water

| | Haloacetic Acids - HAAS (ppb) | Total Trihalomethanes TTHM (ppb) | Chloramines/Free Chlorine (ppm) | Total Organic Carbon (TOC) (ppm) |
|--|---|--|---|--|
| MCL | 60 as Running Annual Average (RAA) of quarterly samples in distribution system | 80 as Ruinning Annual Average (RAA) of quarterly samples in distribution system | 4 as Running Annual Average (RAA) of daily diatribution system samples | π |
| MCLG | N/A | N/A | 4 | N/A |
| Last RAA of 2002 | 28.5 | 29.2 | Average Free Chlorine = 1.01 | |
| Highest Quarterly RAA(HAA5 and TTHM) | 28.5 | 32.3 | Average Chloramine = 2.24 | |
| Range of detected levels | <5.0 - 62.2 | <2.0 - 50.1 | <0.2 - 4.0 entire system | |
| Lowest TOC Removal Range raw water TOC Range treated water TOC | | | | 23.18% 5.6 - 11.1 3.3 - 7.1 |
| Source of Constituent | By-product of disinfection | By-product of disinfection | Disinfectant used to control microbes | Naturally present in environment |

5. District 82 Calvin Village, Hidden Echo, Magnolia Point, Paradise Oaks, and Plantation Hill Subdivisions

| CONTAMINANT (units) | MCLG | MCL (max. level allowed) | GROUNDWATER | SOURCES OF CONTAMINANTS |
|-------------------------|------|--------------------------------|--|--|
| Barium (ppm) | 2 | 2 | 0.160 (2001) | Discharge of drilliong wastes; erosion of natural deposits |
| Combined Radium (pCi/l) | 0 | 5 | <1.0 Average Range = <1.0-1.2 | By-product of drinking water disinfection |
| Copper (ppm) | 1.3 | 90% below AL=1.3 | 90% below 0.043 at customer tap - none exceeded AL (2000) | Erosion of natural deposits; corrosion of household plumbing |
| Gross Alpha (pCi/l) | 0 | 15 | 2.9 Average Range = 2.5 - 3.2 | Erosion of natural deposits |
| Lead (ppb) | 0 | 90% below AL=15 | 90% below 1.4 at customer tap - none exceeded AL (2000) | Erosion of natural deposits; corrosion of household plumbing |
| Nitrate (ppm) | 10 | 10 | 0.15 (2001) | Runoff from fertilizer use, leaching from septic tanks, sewage, erosion of natural deposits |

MICROBIOLOGICAL AND PHYSICAL QUALITY

| CONTAMINANTS (units) | MCLG | MCL (max. level allowed) | MAIN SYSTEM | BELLEAU WOODS | KINGWOOD | HARRIS COUNTY WCID 76 | SOURCES OF CONTAMINANTS |
|--|------|---|--|--------------------------------------|-------------------------------------|--|--------------------------------------|
| Total Coliforms | N/A | Less than 5%of all monthly samples tested positive | 1.4% Average Range = 0.2-3.3% | 2.6% Average Range = 0.0- 4.0% | 0.01% Average Range = 0- 1.2% | 1.64% Average Range = 0.0- 17% (1 Sample) | Naturally present in the environment |
| E. Coli | N/A | ND | ND | ND | ND | ND | Human and animal fecal waste |
| Viruses, Giardia, Legionella | N/A | π | ND | N/A | N/A | N/A | Naturally present in the environment |
| Turbidity (clarity) (NTU) Main System - Surface Water | N/A | 95% less than or equal to 0.5 | 0.07 Average <0.01 - 0.50 Range | N/A | N/A | N/A | Soil runoff |

6. Hunterwood

| CONTAMINANT (units) | MCLG | MCL (max. level allowed) | GROUNDWATER | SOURCES OF CONTAMINANTS |
|---------------------|------|--------------------------------|---|--|
| Arsenic (ppb) | N/A | 50 | 6.4 (2000) | Erosion of natural deposits |
| Barium (ppm) | 2 | 2 | 0.292 (2000) | Erosion of natural deposits |
| Copper (ppm) | 1.3 | 90% below AL=1.3 | 90% below 0.150 at customer tap - none exceeded AL (2000) | Erosion of natural deposits; corrosion of household plumbing |
| Fluoride (ppm) | 4 | 4 | 0.5 (2000) | Erosion of natural deposits; |
| Lead (ppb) | 0 | 90% below AL=15 | 90% below 4.0 at customer tap - one tap exceeded AL (2000) | Erosion of natural deposits; corrosion of household plumbing |

Customer Service is our #1 priority.

We take pride in the water which is provided to our customers and are continually striving to improve. To accomplish this goal. . . we need your help. Any time you find your water's quality below your expectations, please contact us through "Houston Help Line" by dialing **311**. We'll respond promptly and professionally.

- Calendar Year 2002 data unless otherwise specified
- ** Latest year for which data was collected
- *** EPA considers 50 pCi/l to be the level of concern for beta particles.

These Tables Show What Contaminants Were Detected In Your Drinking Water In 2002.* None Were Above the MCL.

7. Forest Cove

| | 2.1.0.000 | | | | | | |
|---------------------------------------|-----------|--------------------------------|--|--|--|--|--|
| CONTAMINANT (units) | MCLG | MCL (max. level allowed) | GROUNDWATER | SOURCES OF CONTAMINANTS | | | |
| Barium (ppm) | 2 | 2 | 0.266 | Erosion of natural deposits | | | |
| Combined Radium (pCi/l) | 0 | 5 | 0.9 | ERosion of natural deposits | | | |
| Copper (ppm) | 1.3 | 90% below AL=1.3 | 90% below 0.327 at customer tap - none exceeded AL 92001) | Erosion of natural deposits; corrosion of household plumbing | | | |
| Flouride (ppm) | 4 | 4 | 0.1 | Erosion of natural deposits | | | |
| Gross Alpha (pCi/l) | 0 | 15 | 0.9 | Erosion of natural deposis | | | |
| Gross Beta | 0 | 50*** | 6.0 | Erosion of natural deposits | | | |
| Lead (ppb) | 0 | 90% below AL=15 | 90% below 5.0 at customer tap - none exceeded AL (2001) | Erosion of natural deposits; corrosion of household plumbing | | | |
| Total Xylenes (ppm) | 10 | 10 | 0.0005 Average Range=<0.0005-0.0010 | Runoff from fertilizer use; erosion of natural products | | | |
| Total Trihalomethanes TTHMs) (ppb) | 0 | 80 | 4.8 Average Range = <2.0-9.6 | By-product of drinking water disinfection | | | |

9. Harris County MUD 159 Willowbrook Mall,

| 9. Harris County WIUD 159 The Commons at Willowbrook | | | | | | |
|--|------|--------------------------------|---|--|--|--|
| CONTAMINANT (units) | MCLG | MCL (max. level allowed) | GROUNDWATER | SOURCES OF CONTAMINANTS | | |
| Barium (ppm) | 2 | 2 | 0.261 (2001) | Erosion of natural deposits | | |
| Combined Radium (pCi/l) | 0 | 5 | 0.5 (2000) | Erosion of natural deposits | | |
| Copper (ppm) | 1.3 | 90% below AL=1.3 | 90% below 0.257 at customer tap-none exceeded AL (1999) | Erosion of natural deposits; corrosion of household plumbing | | |
| Gross Alpha (pCi/l) | 0 | 15 | 7.4 (2000) | Erosion of natural deposits | | |
| Lead (ppb) | 0 | 90% below AL=15 | 90% below 3.8 at customer tap-none exceeded AL (1999) | Erosion of natural deposits; corrosion of household plumbing | | |
| Nitrate (ppm) | 10 | 10 | 0.22 (2001) | Runoff from fertilizer use; erosion of natural deposits | | |
| Selenium (ppb) | 50 | 50 | 4.1 (2001) | Erosion of natural deposits | | |
| Total Trihalomethanes (TTHMs) (ppb) | N/A | 80 | 0.7 (2001) at entry point | By-product of drinking water disinfection | | |

11. Willowchase

| i i. willowchase | | | | | | |
|--|------|--------------------------------|---|--|--|--|
| CONTAMINANT (units) | MCLG | MCL (max. level allowed) | GROUNDWATER | SOURCES OF CONTAMINANTS | | |
| Arsenic (ppb) | N/A | 50 | 2.0 | Erosion of natural deposits | | |
| Barium (ppm) | 2 | 2 | 0.246 | Erosion of natural deposits | | |
| Combined Radium (pCi/l) | 0 | 5 | 0.4 | Erosion of natural deposits | | |
| Copper (ppm) | 1.3 | 90% below AL=1.3 | 90% below 0.069 at customer tap-none exceeded AL | Erosion of natural deposits; corrosion of household plumbing | | |
| Fluoride (ppm) | 4 | 4 | 0.1 | Erosion of natural deposits | | |
| Gross Alpha (pCi/l) | 0 | 15 | 4.3 Average Range = <2.0-8.6 | Erosion of natural deposits | | |
| Gross Beta (pCi/l) | 0 | 50*** | <4.0 Average Range = <4.0-4.3 (2000-2002) | Decay of natural and man made deposits | | |
| Lead (ppb) | 0 | 90% below AL=15 | 90% below 5.2 at customer tap-none exceeded AL | Erosion of natural deposits; corrosion of household plumbing | | |
| Nitrate (ppm) | 10 | 10 | 0.19 | Runoff from fertilizer use; erosion of natural deposits | | |
| Selenium (ppb) | 50 | 50 | 3.8 | Erosion of natural deposits | | |
| Total Trihalomethanes (TTHM) (ppb) | N/A | 80 | 24.3 Average Range = <0.5-48.5 at entry point | By-product of drinking water disinfection | | |

13. Willow Run

| CONTAMINANT (units) | MCLG | MCL (max. level allowed) | GROUNDWATER | SOURCES OF CONTAMINANTS |
|---|------|-------------------------------------|--|--|
| Arsenic (ppb) | N/A | 50 | 2.6 | Erosion of natural deposits |
| Barium (ppm) | 2 | 2 | 0.260 | Erosion of natural deposits |
| Combined Radium (pCi/l) | 0 | 5 | 1.0 (1999) | Erosion of natural deposits |
| Copper (ppm) | 1.3 | 90% below AL=1.3 | 90% below 0.128 at customer tap - none exceeded AL | Erosion of natural deposits; corrosion of household plumbing |
| Fluoride (ppm) | 4 | 4 | 0.7 | Water additive which promotes strong teeth |
| Gross Alpha (pCi/l) | 0 | 15 | 4.2 (1999) | Erosion of natural deposits |
| Lead (ppb) | 0 | 90% below AL=15 | 90% below 3.3 at customer tap - none exceeded AL | Erosion of natural deposits; corrosion of household plumbing |
| Total Trihalomethanes (TTHMs) (ppb) | 0 | Running Annual Averge=- 80 | 3.8 Average Range=<0.5 - 43.5 in distribution system | By-product of drinking water disinfection |

8. Montgomery County MUD 48 & 58

| J | | J | |
|------|--------------------------------|--|--|
| MCLG | MCL (max. level allowed) | GROUNDWATER | SOURCES OF CONTAMINANTS |
| N/A | 50 | 2.1 (2000) | Erosion of natural deposits |
| 2 | 2 | 0.171 (2000) | Erosion of natural deposits |
| 1.3 | 90% below AL=1.3 | 90% below 0.546 at customer tap - none exceeded AL (1999) | Erosion of natural deposits; corrosion of household plumbing |
| 700 | 700 | 0.7 Average Range = <0.5-14 | Discharge from petroleum products |
| 4 | 4 | 0.5 (2000) | Erosion of natural deposits |
| 0 | 90% below AL=15 | 90% below 1.6 at customer tap - none exceeded AL (1999) | Erosion of natural deposits; corrosion of household plumbing |
| 0 | 80 | 68 Average Range=4.5 - 132 at entry point | By-product of drinking water disinfection |
| 1 | 1 | 0.008 Average Range=<0.0005-0 0016 | Discharge from petroleum products |
| 10 | 10 | 0.0031 Average Range=<0.0005-0 0062 | Refined petroleum products |
| | N/A 2 1.3 700 4 0 0 1 | MCLG (max. level allowed) N/A 50 2 2 1.3 90% below AL=1.3 700 700 4 4 0 90% below AL=15 0 80 1 1 | MCLG (max. level allowed) GROUNDWATER N/A 50 2.1 (2000) 2 2 0.171 (2000) 1.3 90% below 0.546 at customer tap-none exceeded AL (1999) 700 700 0.7 Average Range = <0.5-14 |

10. Utility District 5 (Kingwood)

| 10. Utility District 5 (Kingwood) | | | | |
|---|------|-------------------------------------|--|--|
| CONTAMINANT (units) | MCLG | MCL (max. level allowed) | GROUNDWATER | SOURCES OF CONTAMINANTS |
| Arsenic (ppb) | N/A | 50 | 2.6 | Erosion of natural deposits |
| Barium (ppm) | 2 | 2 | 0.260 | Erosion of natural deposits |
| Combined Radium (pCi/l) | 0 | 5 | 1.0 (1999) | Erosion of natural deposits |
| Copper (ppm) | 1.3 | 90% below AL=1.3 | 90% below 0.128 at customer tap - none exceeded AL | Erosion of natural deposits; corrosion of household plumbing |
| Fluoride (ppm) | 4 | 4 | 0.7 | Water additive which promotes strong teeth |
| Gross Alpha (pCi/l) | 0 | 15 | 4.2 (1999) | Erosion of natural deposits |
| Lead (ppb) | 0 | 90% below AL=15 | 90% below 3.3 at customer tap - none exceeded AL | Erosion of natural deposits; corrosion of household plumbing |
| Total Trihalomethanes (TTHMs) (ppb) | 0 | Running Annual Averge=- 80 | 3.8 Average Range=<0.5 - 43.5 in distribution system | By-product of drinking water disinfection |

Covecrest, Lakewood Heights, Lakeside Manor, Lakewood Village, Scotts Point, Shorewood, and Trott Subdivisions

| I Z. DISTRICT / 3 Trott Subdivisions | | | | |
|---------------------------------------|------|----------------------------------|---|--|
| CONTAMINANT (units) | MCLG | MCL (max. level allowed) | GROUNDWATER | SOURCES OF CONTAMINANTS |
| Barium (ppm) | 2 | 2 | 0.28 | Discharge of drilling wastes; erosion of natural deposits |
| Combined Radium (pCi/l) | 0 | 5 | 0.6 Average Range = .05-0.7 | Erosion of natural deposits |
| Copper (ppm) | 1.3 | 90% below AL=1.3 (1999) | 90% below 0.119 at customer tap - none exceeded AL (1999) | Erosion of natural deposits; corrosion of household plumbing |
| Ethylbenzene (ppb) | 700 | 700 | 0.5 Average Range = <0.5-0.9 | Refined petroleum products |
| Fluoride (ppm) | 4 | 4 | 0.2 | Erosion of natural deposits |
| Gross Alpha (pCi/l) | 0 | 15 | 5.2 Average Range = 4.2-6.2 | Erosion of natural deposits |
| Gross Beta (pCi/l) | 0 | 50*** | 4.6 Average Range = 4.5-4.7 | Decay of natural and Man made deposits |
| Lead (ppb) | 0 | 90% below AL=15 | 90% below 2.2 at customer tap - one tap exceeded AL (1999) | Erosion of natural deposits; corrosion of household plumbing |
| Nitrate (ppm) | 10 | 10 | 0.03 | Runoff from fertilizer use; erosion of natural deposits |
| Selenium (ppb) | 50 | 50 | 3.2 | Erosion of natural deposits |
| Total Trihalomethanes (TTHMs (ppb) | 0 | 80 | 18.0 Average Range = 4.0-32.0 at entry point | By-product of drinking water disinfection |
| Xylenes (ppm) | 10 | 10 | 0.0036 Average Range = 0.002- 0.0052 | Refined petroleum products |

- * Calendar Year 2002 data unless otherwise specified
- ** Latest year for which data was collected
- *** EPA considers 50 pCi/l to be the level of concern for beta particles.